

REMARKS/ARGUMENTS

In the final office action, the Examiner noted that SEQ ID NOS. are required for the sequences at p. 7, lines 5 and 12. Several other errors of a similar nature have been noted by applicants. These are all corrected by the present amendment. A replacement sequence listing and computer readable form are also provided containing the omitted SEQ ID NOS.

The specification has been amended to add sequence identifiers as specified under 37 C.F.R. § 1.821(2)(d). Applicants also request entry of this amendment in adherence with 37 C.F.R. §1.821 - 1.825. The sequences of the substitute Sequence Listing are the same as the sequences in specification and figures of the originally filed application and thus do not constitute new matter. This amendment is accompanied by a floppy disk containing SEQ ID NOS:1-81 in computer readable form, and a paper copy of the sequence information which has been printed from the floppy disk. The information contained in the computer readable disk was prepared through the use of the software program "PatentIn" and is identical to that of the paper copy.

The Examiner rejected claim 4 as indefinite because of the term "if." With respect to element (e) of claim 4, the use of "if" is redundant because the claim includes only one possibility for the middle base, namely "5-meC". Therefore, the term "if" has been deleted from element (e). In the other claim elements, it is maintained that the conditional step is as precise as the subject matter permits for the reasons described in the appeal brief. This amendment simplifies an issues for appeal, and entry is respectfully requested.

Other issues in the final office action are addressed in the appeal brief.

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Appl. No. 09/646,353
Amdt. dated December 2, 2003
Reply to Office Action of July 14, 2003

PATENT

If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned at 650-326-2400.

Respectfully submitted,



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